ABOUT THE RAISE SHORELINES PROGRAM

• Collaboration between NYCEDC and the Mayor’s Office of Resiliency (MOR)

• In 2015, the City produced the Raise Shorelines Citywide Study to address vulnerability of New York City’s shorelines due to long-term sea level rise
  • Evaluated over 600 miles of NYC shorelines to identify priority locations
  • Funded through HUD Community Development Block Grant Disaster Recovery (CDBG-DR) funds

• Travis Avenue road raising project is one of the first projects to be implemented under the Raise Shorelines Program
  • New York City Capital will fund the construction
PROJECT SITE: TRAVIS AVENUE
EXISTING CONDITIONS

View of roadway looking west
EXISTING CONDITIONS

View of roadway looking east
RAIN EVENT CONDITION
(1/20/2018 Youtube Video)

Drivers maneuver around flooding on Staten Island's Travis Avenue

442 views • Published on Jan 30, 2018
ABOUT THE PROJECT

• Improvements will protect Travis Avenue from future sea level rise (2050s) and regular flooding (twice a day) in the future

• 900-foot area of Travis Avenue that floods frequently will be raised approximately three feet on either side of the existing bridge that spans the Main Creek

• Upgrades to watermains

• Installation of hydraulic culverts beneath the road to enhance wetland hydrology and connectivity

• Two wildlife eco-passages to facilitate safe passage for terrapins, turtles and other wildlife
TRAVIS AVENUE ROAD CLOSURE

• Construction will require the full closure of Travis Avenue between Victory Boulevard and Mulberry Avenue

• Road closure will be in place for approximately 9-12 months

• Full closure of road is required for utility replacement, and allows construction to happen quickest

• Work will begin in Q1 2020 and anticipated completion is Q1 2021
PROPOSED DETOUR

• Motorist detour via Victory Boulevard and Richmond Avenue

• Shared-use path and sidewalks on Travis Avenue between Mulberry Avenue and Richmond Avenue will remain open

• Road closure will not impact pedestrian/bike paths or bus stops/routes
TRAFFIC STUDY

September 2018

- Collected peak and off-peak traffic data and turning movement counts
- Verified signal timings and travel times through site visits
- Analyzed existing traffic volumes, intersection capacities and level of service to recommend detour alternatives
TRAFFIC STUDY RESULTS

• Proposed detour via Victory Boulevard and Richmond Avenue reviewed by and coordinated with NYCDOT

• Most intersections will have minimal effects

• The intersections of Richmond Avenue with Victory Boulevard and Signs Road will experience some delays during construction

• Improvement measures will be implemented at key intersections to minimize effects
CONSTRUCTION TRAFFIC MANAGEMENT

Implement improvement measures prior to construction to improve the delay at Richmond Avenue and Signs Road

- Permanently extend northbound left turn lane on Richmond Avenue at Signs Road to 450 feet to improve delays
- Implement 150-foot parking restriction on southbound Richmond Avenue to create right-turn-only lane (onto Signs Road)
- Optimize signal timing at key intersections to reduce delay

- EDC will continue to work with DOT, FDNY, NYPD, EMS on emergency services given the road closure
NORTHBOUND LEFT TURN LANE ON RICHMOND AVENUE
COMMUNITY OUTREACH

• The Construction Manager will have a community liaison as part of their staff during construction at Travis Avenue to answer any construction-related questions.

• Residents, motorists, the community board, elected officials, and local organizations will be kept updated on community impacts and progress of the project.
THANK YOU!

If you have any questions about the street closure, please contact Victoria Giordano (NYCDOT) at vgiordano@dot.nyc.gov or Wil Fisher at wfisher@edc.nyc.